

**Reviews**

**Particle Listings**

**New Experiments**

**Consider subject matter for reviews  
in consultation with Michael Barnett and Don Groom (LBNL)**

**Big Bang Cosmology, Cosmological Parameters, CMB,  
Big Bang Nucleosynthesis, Dark Matter**

**Maintain up-to-date reviews  
Cosmological Parameters**

**Maintaining focus for high energy physics:  
BBN -> Li problem as it pertains to non-standard models.**

**New Reviews:  
Assess appropriateness for new reviews  
eg. review on gamma-ray astronomy**

**Recent overhaul of neutrino section**

**Extensive reorganization coordinated at LBNL**

**maintain sections on neutrinos and astrophysical constraints**

**Relation between dark matter and supersymmetry**

**Many new direct (and indirect) dark matter searches**

**Limits on neutralino properties**

**Competition with accelerator limits**

**New particle listings pending LHC results**

**Axion Searches**

**There is an increasing number of experiments related to astroparticle physics as it pertains to RPP**

### **Dark Matter:**

**Susy/Axion Searches - potential impact on particle listings  
CDMS, Xenon, Lux, Cresst, Zeplin, Coup, .....**

### **CMB**

**WMAP, Planck, polarization experiments**

### **Gamma-ray background**

**Glast**

### **Cosmic-Rays**

**Auger, Pamela, AMS**

### **Gravitational Waves**

**LIGO, LISA, BBO, Decigo**